- Lander	Application No.	Applicant(s)	
	10/650,851	ASANO ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Cindy Nguyen	2161	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due	ed course. <b>THIS</b>
1. This communication is responsive to <u>12/30/05</u> .			
2. X The allowed claim(s) is/are 4-8 and 18-30.			
3.	been received.  been received in Application No cuments have been received in this is of this communication to file a reply lENT of this application.  itted. Note the attached EXAMINER' es reason(s) why the oath or declarate the submitted. It is application on the Comment or in the Comment of the Comm	national stage applical complying with the red S AMENDMENT or Nation is deficient.  948) attached office action of the last in the front (not the last).	quirements OTICE OF
<ul> <li>Attachment(s)</li> <li>1. ☑ Notice of References Cited (PTO-892)</li> <li>2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date</li> <li>4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ul>	5. Notice of Informal P 6. Interview Summary Paper No./Mail Dat 7. Examiner's Amendn 8. Examiner's Stateme 9. Other	(PTO-413), e nent/Comment	ŕ

## **DETAILED ACTION**

This is in response to amendment filed 12/30/05.

## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Daniel Stanger on 06/21/06.

Claims 18, 22, 29 and 30 had been amended as follows:

At lines 1-4 of claim 18:

18. (Currently amended) A processor-readable storage medium embodying executable code of a storage operation management program executed on a computer for operating and managing replication of a volume inside a storage device or among a plurality of storage devices, the executable program code comprising:

At lines 1-4 of claim 22:

22. (Currently amended) A <u>processor-readable storage medium embodying executable</u>

<u>code of a storage operation management program executed on a computer for operating and managing replication of a volume inside a storage device or among a plurality of storage devices,</u>

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wherein when executed, the executable program code causes [[the]] a computer to perform a

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method comprising the steps of:

At lines 1-4 of claim 29:

29. (Currently amended) A processor-readable storage medium embodying executable code of a

storage operation management program executed on a computer for operating and managing

replication of a volume inside a storage device or among a plurality of storage devices, wherein

when executed, the executable program code causes [[the]] a computer to perform a method

comprising the steps of:

At lines 1-4 of claim 30:

30. (Currently amended) A processor-readable storage medium embodying executable

code of a storage operation management program executed on a computer for operating and managing

replication of a volume inside a storage device or among a plurality of storage devices, wherein when

executed, the executable program code causes [[the]] a computer to perform a method comprising the

steps of:

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: \*\*\*

Claims 4-8, 18-30 are allowable over the prior art of record.

The following is an examiner's statement of reasons for allowance: Claims 18, 22, 29 are

allowable because the prior art of record or that encountered in searching for the invention, fails

to discloses or suggest a method and a processor-readable storage medium embodying executable code of a storage operation management program for operating and managing replication of a volume inside a storage device or among a plurality of storage devices, the executable program code comprising: creating and selecting said copy destination volume to have said feature of said copy source volume, based on said request for a copy destination volume, based on a prestored relationship between said copy source volume and said information, and base on possible/impossible pairing information indicating that said copy destination volume has a pairing capability of forming a replication pair with said copy source volume to make possible the copying of contents of said copy source volume to said copy destination volume, said pairing information being specified by one of a user and an application, as claimed.

Claim 30 is allowable because the prior art of record or that encountered in searching for the invention, fails to discloses or suggest a processor-readable storage medium embodying executable code of a storage operation management program for operating and managing replication of a volume inside a storage device or among a plurality of storage devices, the executable program code comprising: when it is determined that a storage device exists that has a storage policy of forming a pair with said copy source volume, determining from possible/impossible pairing information in the volume information table whether the storage device has a volume having a pairing capability to make possible the copying thereto of contents of said copy source volume as claimed.

Claims 4-8, 19-21, 23-28 are depend form claims 18 and 22, and are therefore allowable.

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Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

**Contact Information** 

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Cindy Nguyen whose telephone number is 571-272-4025. The examiner can

normally be reached on M-F: 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Gaffin Jeffrey can be reached on 571-272-4160. The fax phone numbers for the organization where this

application or proceeding is assigned are 703-872-9306 for regular communications and 703-872-9306

for After Final communications. Any inquiry of a general nature or relating to the status of this

application or proceeding should be directed to the receptionist whose telephone number is 703-305-

3900.

Cindy Nguyen

June 22, 2006

FRANTZ COBY
PRIMARY EXAMINER

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